

Practitioner's Docket No. 421/96 PCT/US  
 Serial No. 10/589,222

**CHAPTER II**

**IN THE UNITED STATES ELECTED OFFICE (EO/US)**

PCT/US05/04421	14 February 2005 (14.02.05)	13 February 2004 (13.02.04)
International Application No.	International Filing Date	Priority Date Claimed

**FUNCTIONAL MATERIALS AND NOVEL METHODS FOR THE FABRICATION OF  
 MICROFLUIDIC DEVICES**

**Title of Invention**

The University of North Carolina at Chapel Hill et al.

Applicant(s)

**Mail Stop PCT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450  
 ATTENTION: EO/US**

**COMPLETION OF FILING REQUIREMENTS  
 FOR INTERNATIONAL APPLICATION ENTERING U.S. NATIONAL STAGE  
 IN U.S. ELECTED OFFICE (EO/US) UNDER 35 U.S.C. § 371**

This replies to the Notice of Missing Requirements under 35 U.S.C. § 371 and 37 C.F.R. § 1.495 (FORM PCT/DO/EO/905).

A copy of FORM PCT/DO/EO/905 accompanies this response.

**EXPRESS MAILING UNDER 37 C.F.R. § 1.10\***

*(Express Mail label number is mandatory.)  
 (Express Mail certification is optional)*

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on this date  
May 11, 2007 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450,  
 Alexandria, VA 22313-1450 as "Express Mail Post Office to Addressee" Mailing Label No.  
EM016353385US.

\_\_\_\_\_  
 Stacie H. Boswell

Date: May 11, 2007

Stacie H. Boswell  
 Signature of person certifying

**WARNING:** Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

**\*WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

## DECLARATION OR OATH

I. The declaration or oath that was filed was determined to be defective. A new original oath or declaration is attached.

## EXTENSION OF TIME

II. The proceedings herein are for a patent application. Accordingly, the provisions of 37 C.F.R. § 1.136(a) apply.

Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

## FEES

III. 1. Surcharge fees

Surcharge for filing the oath or declaration later than thirty months from the priority date pursuant to § 1.495(c):	\$130.00
<b>Total Fees</b>	<b>\$130.00</b>

## TOTAL FEE DUE

IV. The total fee due is:  
Completion fee(s)

\$130.00
<b>TOTAL FEE DUE \$130.00</b>

## PAYMENT OF FEES

VI. A check in the amount of \$130.00 is enclosed herewith and the Commissioner is hereby authorized to charge any additional fees required by this paper or credit any overpayment to Deposit Account Number 50-0426.

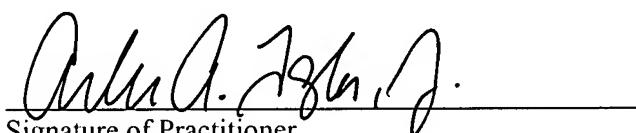
Date: 11 May 2007

Reg. No.: 39,395  
Tel. No.: 001-919-493-8000  
Customer No.: 25297

05/15/2007 MKAYPAGH 00000111 10589222

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130.00 0P



Signature of Practitioner

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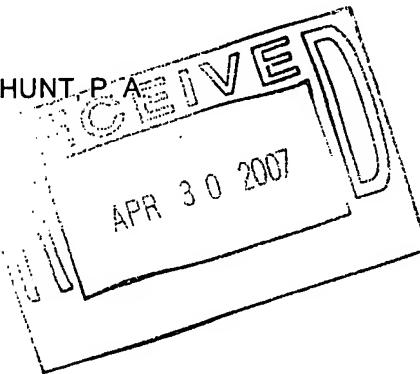


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/589,222	Joseph M. DeSimone	421/96 PCT/US

25297  
 JENKINS, WILSON, TAYLOR & HUNT, P.A.  
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INTERNATIONAL APPLICATION NO.  
 PCT/US05/04421

I.A. FILING DATE	PRIORITY DATE
02/14/2005	02/13/2004

CONFIRMATION NO. 5780  
 371 FORMALITIES LETTER



\*OC000000023486717\*

Date Mailed: 04/23/2007

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 08/11/2006
- Preliminary Amendments filed on 08/11/2006
- Oath or Declaration filed on 08/11/2006
- U.S. Basic National Fees filed on 08/11/2006
- Priority Documents filed on 08/11/2006
- Specification filed on 08/11/2006
- Claims filed on 08/11/2006
- Abstracts filed on 08/11/2006
- Drawings filed on 08/11/2006

DOCKET DATES: Initial: 6/23/07  
Absolute: 11/23/07  
 ASSIGNED ATTY: AAT  
 FILE NO. 421/94 PCT/US  
 DOCKETED BY: PEL DATE: 6/11/07

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.

Additionally the following defects have been observed:

- The International Search Report has not be supplied, the Search Fee has been adjusted to reflect this omission.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION,**

**WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5).

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

CHARITTA A BURT

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Telephone: (703) 308-9140 EXT 207

**PART 1 - ATTORNEY/APPLICANT COPY**

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/589,222	PCT/US05/04421	421/96 PCT/US

FORM PCT/DO/EO/905 (371 Formalities Notice)